510(k) Summary

k113806

Applicant's Name, Address, Telephone, FAX, Contact Person

Kimberly-Clark Health Care 1400 Holcomb Bridge Road Roswell, GA 30076-2190, USA

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Date: August 8, 2013

1. CLASSIFICATION, COMMON OR USUAL NAME, DEVICE

NAME

Classification:

Class II per 21 CFR 880.6850

Classification Name: Common/Usual Name: Sterilization Wrap
Sterilization Wrap

Product Code:

FRG

Proprietary Name

KIMGUARD® ONE-STEP® Sterilization

Wrap (Models: KC100, KC200, KC300,

KC400, KC500, and KC600)

2. PREDICATE DEVICES

KIMGUARD® ONE-STEP® Sterilization Wrap, which is currently manufactured and distributed by Kimberly-Clark Corporation [510(k) Notification K092167, cleared November 2, 2009]

3. INDICATIONS FOR USE

KIMGUARD* ONE-STEP* Sterilization Wraps are intended to enclose another medical device that is to be sterilized by a healthcare provider using:

- Advanced Sterilization Products STERRAD® Sterilization Systems that include:
 - o STERRAD® 50, 100S, and 200
 - o STERRAD® NX® [Standard Cycle, Advanced Cycle]
 - STERRAD® 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle]

KIMGUARD* ONE-STEP* Sterilization Wraps are intended to allow sterilization of the enclosed medical device(s) and also maintain sterility of the enclosed device(s) until used.

Test results validated that KIMGUARD* ONE-STEP* Sterilization Wraps (KC100, KC200, KC300, KC400, KC500, and KC600) allowed sterilization of the enclosed devices by the Advanced Sterilization Products STERRAD® Sterilization Systems (STERRAD® 50, 100S, 200, NX® [Standard Cycle and Advanced Cycle] and 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle]). (Refer to the STERRAD® Sterilizer System User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions.)

All models of the KIMGUARD* ONE-STEP* Sterilization Wrap have been validated for use with the STERRAD® 50, STERRAD® 100S, STERRAD® 200, STERRAD® NX® and STERRAD® 100NX® cycles in Table 1.

TABLE 1: Validated Advanced Sterilization Products (ASP) STERRAD* 50, STERRAD* 100S, STERRAD* 200, STERRAD* NX*, and STERRAD* 100NX* Cycles

Note: Refer to the User's Guide for complete instructions on load and cycle for each STERRAD® System. The instructions provided below are not intended to replace the detailed Instructions For Use provided with the STERRAD® Systems

ASP STERRAD* System and Cycle	Intended Load
STERRAÐ* 50	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens. An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens. Refer to the STERRAD* 50 Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10 lumens per load).
STERRAD* 100S	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens. An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens. Refer to the STERRAD* 100S Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10 lumens per load).

ASP STERRAD* System and Cycle	Intended Load				
	Reusable metal and non-metal medical devices, including up to 12 lumens of the following dimensions per chamber load:				
	An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens.				
STERRAD*	 An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. 				
200	An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens.				
	An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens.				
	Refer to the STERRAD [®] 200 Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 36.48 lbs per load).				
	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load:				
STERRAD* NX*	An inside diameter of 1 mm or larger and a length of 150 mm or shorter of single-channel stainless steel lumens.				
Standard Cycle	An inside diameter of 2 mm or larger and a length of 400 mm or shorter of single-channel stainless				
	steel lumens. Refer to the STERRAD* NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10.7 lbs per load).				
•	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load:				
STERRAD' NX'	An inside diameter of 1 mm or larger and a length of 500 mm or shorter of single-channel stainless steel lumens. OR				
Advanced	One single-channel Flexible Endoscope with or without a silicone mat and no additional load. The flexible				
Cycle	endoscope may contain: • A single-channel Teflon*/Polyethylene lumen with an inside diameter of 1 mm or larger and a				
	length of 850 mm or shorter. Refer to the STERRAD ⁸ NX ⁸ Sterilizer User's Guide for complete instructions on load(s) and cycle(s),				
	including chamber loading instructions (i.e., 10.7 lbs per load).				
STERRAD*	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load:				
100NX'	An inside diameter of 0.7 mm or larger and a length of 500 mm or shorter of single-channel				
Standard Cycle	Refer to the STERRAD TOONX. Sterlizer User's Guide for complete instructions on load(s) and cycle(s),				
	including chamber loading instructions (i.e., 21.4 lbs per load). One or two single-channel Flexible Endoscope with or without a silicone mat and no additional load. The				
STERRAD*	flexible endoscope may contain: A single-channel Teflon*/Polyethylene lumen with an inside diameter of 1 mm or larger and a				
100NX*	length of 850 mm or shorter. (A maximum of two flexible endoscopes, one per tray per sterilization cycle).				
Flex Cycle	Refer to the STERRAD* 100NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s),				
omen - ni	including chamber loading instructions (i.e., 12.2 lbs per load). Non-lumened reusable metal and non-metal devices requiring surface sterilization, and sterilization of				
STERRAD* 100NX'	diffusion-restricted spaces such as the hinged portions of forceps and scissors, and rigid or semi-rigid endoscopes without lumens.				
EXPRESS					
Cycle	Refer to the STERRAD* 100NX* User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10.7 lbs per load).				
	One or two single-channel Flexible Endoscope with accessory devices that are normally connected to it, with or without a silicone mat. The flexible endoscope may contain:				
STERRAD	 A single-channel Teflon*/Polyethylene lumen with an inside diameter of 1 mm or larger and a length of 875 mm or shorter. 				
100NX ^a DUO Cycle	Accessory devices that are normally connected to a flexible endoscope during use.				
DOO Cycle	Flexible endoscopes without lumens Refer to the STERRAD* 100NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 13.2 lbs per load).				

KIMGUARD* ONE-STEP* Sterilization Wrap Recommendations for Use with the Advanced Sterilization Products STERRAD® Sterilization Systems are provided in TABLE 2.

TABLE 2: Recommended Loads for KIMGUARD* ONE-STEP* Sterilization Wrap for use with Advanced Sterilization Products (ASP) STERRAD® Sterilization Systems (STERRAD® 50, 100S, 200, NX® [Standard Cycle, Advanced Cycle], and 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle])

KIMGUARD* ONE-STEP* Sterilization Wrap Models	Intended Load ¹	Weights of Wrapped Package Content Used in Validation Study (Total weight including tray)	Study Descriptions of Loads Used in Sterility	
KC100	Very light weight package (e.g., batteries or towel packs)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments	
KC200	Light weight package (c.g., telescope with light cord)	10.7 lbs	APTIMAX Instrument Tray (23 in, x 11 in, x 4 in.) with Tray Mat Metal and non-metal instruments	
KC300	Light to moderate weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments	
KC400	Moderate to heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments	
KC500	Heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments	
KC600	Very heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments	

Intended loads include: Medical Instruments with and without lumens that include telescopes, endoscopes, cameras, light cords, and general use medical instruments

4. DESCRIPTION OF DEVICE

KIMGUARD® ONE-STEP® Sterilization Wrap is comprised of two sheets of KIMGUARD® Sterilization Wrap ultrasonically seamed on two sides. This allows for convenient wrapping with two sheets simultaneously.

The sheets of sterilization wrap are square or rectangular fabric produced using a three-layer SMS (spunbound-meltblown-spunbound) process. The wrap fabric is composed of polypropylene with the addition of less than 2% by weight of phthalocyanine blue pigment, less than 1% by weight titanium dioxide pigment, and less than 0.008% by weight of a potassium phosphate anti-static treatment. The wrap allows a sterilized package to be opened aseptically.

Table 3: Device Comparison Table - Technological Characteristics

Technological Characteristics	Proposed: KIMGUARD® ONE-STEP® Sterilization Wrap	Wrap (K092167)
Manufacturer	Kimberly-Clark Corporation	Kimberly Clark Corporation
Regulation/Product Code	Sterilization Wrap: 880.6850 / FRG	Sterilization Wrap: 880.6850 / FRG
Device Design	Two sheets of medium blue nonwoven polypropylene fabric. Each sheet of fabric is composed of three thermally-bonded layers consisting of a Meltblown polypropylene layer surrounded by Spunbound polypropylene layers (SMS)	Two sheets of medium blue nonwoven polypropylene fabric. Each sheet of fabric is composed of three thermally-bonded layers consisting of a Meltblown polypropylene layer surrounded by Spunbound polypropylene layers (SMS)
Method for bonding SMS layers	Thermal bonding with round pin, hexagonal, triangle bond pattern ("daisy" pattern)	Thermal bonding with round pin, hexagonal, triangle bond pattern ("daisy" pattern)
Materials	Polypropylene with blue and white pigments	Polypropylene with blue and white pigments
Over the Counter Use Device	Yes	Yes
Single Use Device	Yes	Yes

5. SUMMARY OF NONCLINICAL TESTS

Performance testing was conducted to show that the KIMGUARD® ONE-STEP® Sterilization Wrap maintains sterility until used, after completion of the sterilization process in the STERRAD® Sterilization Systems.

Table 4: Sterilization Wrap Performance Tests

Study	Results
Sterilant Penetration	Passed
Package Integrity .	Passed
Maintenance of Package Integrity	Passed
Material Compatibility	Passed
Shelf Life	Passed
Biocompatibility	Passed

6. OVERALL PERFORMANCE CONCLUSIONS

The nonclinical studies demonstrate that the KIMGUARD® ONE-STEP® Sterilization Wrap performs as intended as a sterilization packaging system of medical devices when terminally sterilized in the STERRAD® Sterilization Systems. These studies show that the KIMGUARD® ONE-STEP® Sterilization Wrap met the same criteria as the predicate device and are substantially equivalent.



Food and Drug Administration 10903 New Hampshire Avenue Document Control Center – WO66-G609 Silver Spring, MD 20993-0002

August 20, 2013

Kimberly-Clark Health Care Christopher B. Swanson Regulatory Affairs Specialist Email 1400 Holcomb Bridge Road ROSWELL GA 30076-2190

Re: K113806

Trade/Device Name: KIMGUARD® ONE-STEP® Sterilization Wrap (Models KC100,

KC200, KC 300, KC 400, KC500, and KC600)

Regulation Number: 21 CFR 880.6850 Regulation Name: Sterilization Wrap

Regulatory Class: II Product Code: FRG Dated: August 8, 2013

Received:

Dear Mr. Swanson:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm.

Sincerely yours,



Kwame Ulmer M.S.
Acting Division Director
Division of Anesthesiology, General Hospital,
Respiratory, Infection Control and
Dental Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Indications for Use

510(k) Number (if known): K113806

Device Name: KIMGUARD® ONE-STEP® Sterilization Wrap (Models KC100, KC200, KC300, KC400, KC500, and KC600) Indications for Use with Advanced Sterilization Products STERRAD® Sterilization Systems

Indications for Use:

KIMGUARD* ONE-STEP* Sterilization Wraps are intended to enclose another medical device that is to be sterilized by a healthcare provider using:

- Advanced Sterilization Products STERRAD[®] Sterilization Systems that include:
 - o STERRAD® 50, 100S, and 200
 - o STERRAD® NX® [Standard Cycle, Advanced Cycle]
 - o STERRAD® 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle]

KIMGUARD* ONE-STEP* Sterilization Wraps are intended to allow sterilization of the enclosed medical device(s) and also maintain sterility of the enclosed device(s) until used.

Test results validated that KIMGUARD* ONE-STEP* Sterilization Wraps (KC100, KC200, KC300, KC400, KC500, and KC600) allowed sterilization of the enclosed devices by the Advanced Sterilization Products STERRAD® Sterilization Systems (STERRAD® 50, 100S, 200, NX® [Standard Cycle and Advanced Cycle] and 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle]). (Refer to the STERRAD® Sterilizer System User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions.)

All models of the KIMGUARD* ONE-STEP* Sterilization Wrap have been validated for use with the STERRAD® 50, STERRAD® 100S, STERRAD® 200, STERRAD® NX® and STERRAD® 100NX® cycles in Table 1.

KIMGUARD* ONE-STEP* Sterilization Wrap Recommendations for Use with the Advanced Sterilization Products STERRAD® Sterilization Systems are provided in Table 2.

TABLE 1: Validated Advanced Sterilization Products (ASP) STERRAD® 50, STERRAD® 100S, STERRAD® 200, STERRAD® NX®, and STERRAD® 100NX® Cycles

Note: Refer to the User's Guide for complete instructions on load and cycle for each STERRAD® System. The instructions provided below are not intended to replace the detailed Instructions For Use provided with the STERRAD® Systems

ASP STERRAD* System and Cycle	Intended Load			
STERRAD [®] 50	 Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens. An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens. Refer to the STERRAD[®] 50 Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10 lumens per load). 			
STERRAD ^x 100S	 Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens. An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens. Refer to the STERRAD* 100S Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10 lumens per load). 			
STERRAD [®] 200	Reusable metal and non-metal medical devices, including up to 12 lumens of the following dimensions per chamber load: • An inside diameter of 1 mm or larger and a length of 125 mm or shorter of single-channel stainless steel lumens. • An inside diameter of 2 mm or larger and a length of 250 mm or shorter of single-channel stainless steel lumens. • An inside diameter of 3 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. • An inside diameter of 6 mm or larger and a length of 310 mm or shorter of single-channel Teflon/Polyethylene lumens. Refer to the STERRAD® 200 Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 36.48 lbs per tray load).			
STERRAD ³ NX ³ Standard Cycle	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: An inside diameter of 1 mm or larger and a length of 150 mm or shorter of single-channel stainless steel lumens. An inside diameter of 2 mm or larger and a length of 400 mm or shorter of single-channel stainless steel lumens. Refer to the STERRAD* NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10.7 lbs per load).			

TABLE 1: Validated Advanced Sterilization Products (ASP) STERRAD® 50, STERRAD® 100S, STERRAD® NX®, and STERRAD® 100NX® Cycles (cont.)

ASP STERRAD®	Intended Load
System and Cycle	Intellect Load
STERRAD ^x NX ^x Advanced Cycle	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: • An inside diameter of 1 mm or larger and a length of 500 mm or shorter of single-channel stainless steel lumens. OR One single-channel Flexible Endoscope with or without a silicone mat and no additional load. The flexible endoscope may contain:
	 A single-channel Teflon*/Polyethylene lumen with an inside diameter of 1 mm or larger and a length of 850 mm or shorter. Refer to the STERRAD* NX* Sterilizer User's Guide for complete instructions on load(s) and cyclc(s), including chamber loading instructions (i.e., 10.7 lbs per load).
STERRAD ^x 100NX ^x Standard Cycle	Reusable metal and non-metal medical devices, including up to 10 lumens of the following dimensions per chamber load: • An inside diameter of 0.7 mm or larger and a length of 500 mm or shorter of single-channel stainless steel lumens. (A maximum of two flexible endoscopes, one per tray per sterilization cycle.) Refer to the STERRAD* 100NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 21.4 lbs per load).
STERRAD ^x 100NX* Flex Cycle	One or two single-channel Flexible Endoscope with or without a silicone mat and no additional load. The flexible endoscope may contain: • A single-channel Teflon *Polyethylene lumen with an inside diameter of 1 mm or larger and a length of 850 mm or shorter. (A maximum of two flexible endoscopes, one per tray per sterilization cycle). Refer to the STERRAD * 100NX * Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 12.2 lbs per load).
STERRAD* 100NX*	Non-lumened reusable metal and non-metal devices requiring surface sterilization, and sterilization of diffusion-restricted spaces such as the hinged portions of forceps and scissors, and rigid or semi-rigid endoscopes without lumens.
EXPRESS Cycle	Refer to the STERRAD* 100NX* User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 10.7 lbs per load).
STERRAD ^x 100NX ^x DUO Cycle	One or two single-channel Flexible Endoscope with accessory devices that are normally connected to it, with or without a silicone mat. The flexible endoscope may contain: • A single-channel Teflon*/Polyethylene lumen with an inside diameter of 1 mm or larger and a length of 875 mm or shorter. • Accessory devices that are normally connected to a flexible endoscope during use. • Flexible endoscopes without lumens Refer to the STERRAD* 100NX* Sterilizer User's Guide for complete instructions on load(s) and cycle(s), including chamber loading instructions (i.e., 13.2 lbs per load).

TABLE 2: Recommended Loads for KIMGUARD* ONE-STEP* Sterilization Wrap for use with Advanced Sterilization Products (ASP) STERRAD® Sterilization Systems (STERRAD® 50, 100S, 200, NX® [Standard Cycle, Advanced Cycle], and 100NX® [Standard Cycle, Flex Cycle, EXPRESS Cycle, DUO Cycle])

KIMGUARD* ONE-STEP* Sterilization Wrap Models			Descriptions of Loads Used in Sterility Maintenance Validation Study		
KC100	Very light weight package (e.g., batteries or towel packs)	10.7 lbs	APTIMAX Instrument Tray (23 in, x 11 in, x 4 in.) with Tray Mat Metal and non-metal instruments		
KC200	Light weight package (e.g., telescope with light cord)	10.7 lbs	 APTIMAX[®] Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments 		
KC300	Light to moderate weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX [®] Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments		
KC400	Moderate to heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments		
KC500	Heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments		
KC600	Very heavy weight package (e.g., general use medical instruments)	10.7 lbs	APTIMAX Instrument Tray (23 in. x 11 in. x 4 in.) with Tray Mat Metal and non-metal instruments		

Intended loads include: Medical Instruments with and without lumens that include telescopes, endoscopes, cameras, light cords, and general use medical instruments

Prescription Use (Part 21 CFR 801 Subpart D)	AND/OR		Counter Use _ 1 Subpart C)	
(PLEASE DO NOT WRITE BELOW THIS	LINE - CONTIN	NUE ON ANOTH	HER PAGE IF	NEEDED)
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(Division Sign-Off)				
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Dental De	evices			

510(k) Number: K113806